Sujay Kumar

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Summary

Dynamic Computer Science student with expertise in MERN Stack and DevOps, delivering innovative web solutions. Proficient in crafting responsive, high-performance websites and mastering Go for scalable, robust backend systems. Passionate about driving technological advancements and optimizing user experiences.

Education

KIIT University	Bhubaneswar, Odisha
B.Tech, Computer Science and Engineering	*Expected Sep 2026, CGPA: 8.11/10*
St. Joseph School	Bhagalpur, Bihar
12th Grade (ISC)	*Jun 2022, 77.8%*
Mount Assisi School	Bhagalpur, Bihar
10th Grade (ICSE)	*Jun 2020, 85.17%*

Skills

Programming Languages: C, Java, JavaScript, TypeScript, Python, ABAP

Web Technologies: HTML5, CSS3, Tailwind CSS, React.js, Next.js, Node.js, Express.js,FastApi, RESTful APIs, SAP

Databases & Tools: MongoDB, PostgreSQL, Firebase, Supabase, Prisma ORM, Postman

DevOps & Cloud: Git, GitHub, GitHub Actions, Google Cloud Platform, Cloudflare, Docker, AWS - EC2

Professional Experience

IIT Kharagpur | *Research Collaborator* — 2025 – Present
- Collaborated with PhD students to develop a proxy index for measuring renewable energy market trends by creating a data pipeline.
- Utilized generative AI to create signaling keywords, integrated into a data pipeline for scraping the Scopus database, saved results to Excel, and visualized market trends.

KIIT E-Cell | *Full Stack Developer* — Sep 2024 – Present
- Engineered a MERN Stack course dashboard, streamlining onboarding processes and enhancing user engagement.
- Integrated Google Sheets API for real-time leaderboard automation, reducing manual updates.
- Optimized application performance, reducing load times to deliver a seamless user experience.

AGT Pvt Ltd | *Full Stack Developer* — Dec 2024 – April 2025
- Developed responsive UI components for photonBoxx, improving mobile responsiveness. Contribution Link
- Resolved critical UI bugs, boosting application uptime and enhancing user satisfaction.
- Streamlined CRUD operations for HobbyCue admin routes, increasing backend efficiency. Contribution Link

Key Projects

E-Cell Cohort ⧉ | *MERN Stack, Real-Time Web App* — 2024
- Developed a full-featured MERN Stack platform with real-time updates, improving user engagement at KIIT E-Cell.
- Automated leaderboard system, reducing administrative overhead and enhancing operational efficiency.

AlignResume ⧉ | *MERN Stack, AI-Powered Resume Tool* — 2024
- Built a platform for students to upload resumes, gain insights, and interact via a bot for resume analysis against job descriptions.
- Implemented features for generating cover letters and partially automating job application processes, enhancing user efficiency.

ToDoAgent ⧉ | *MERN Stack, Productivity Tool* — 2023
- Built a prompt-based task management tool, improving team productivity through streamlined workflows.
- Deployed on Render with scalable architecture, ensuring high uptime and reliable performance.

Extracurricular Achievements

National Basketball Player | *Competitive Athlete* — 2018 – Present
- Represented state and college in national basketball tournaments, demonstrating leadership and teamwork under pressure.

Smart India Hackathon 2024 | *National-Level Competitor* — 2024
- Secured Top 50 position among college teams, showcasing problem-solving and collaborative innovation.